

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The 2GTL LED recessed troffer offers a wide range of lumen packages, color temperatures, and lens options to meet the lighting needs for a wide range of applications such as schools, offices, and hospitals. The light engine delivers long life and excellent color to ensure a sound quality, low-maintenance lighting installation. **Certain airborne contaminants can diminish integrity of acrylic.**

[Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Smooth hemmed sides and smooth inward formed end flanges for safe handling. Lighter-weight fixture allows for safe, easy installation.

**OPTICS** — Highly transmissive pattern #12 lens diffuses the light source without compromising output. Pattern #19 and satin white lens options also available.

**ELECTRICAL** — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. 70% LED lumen maintenance at 50,000 hours (L70/50,000).

Optional nLight® embedded controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the GTL luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

The bi-level dimming option (BLD) allows the system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

LED drivers delivers full-range dimming from 0-10V control signal. 5% - 100% dimming range.

Ballast disconnect is provided where required to comply with U.S. and Canadian codes.

**INSTALLATION** — LED boards include plug-in connectors for easy of upgradeability. Suitable for direct insulation contact.

**LISTING** — CSA certified to U.S. and Canadian standards. Damp listed. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at

[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



GTL Series

# 2GTL

2' x 2' and 2' x 4'  
LED Recessed Troffer



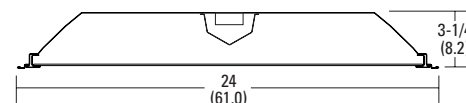
### Specifications

Length: 24 (61.0) for 2' x 2'

48 (122.0) for 2' x 4'

Width: 24 (61.0)

Depth: 3-1/4 (8.2)



All dimensions are inches (centimeters) unless otherwise indicated.

Configurable Part Number	Stock Contractor Select Part Number
2GTL 2 37L LP835 NX	2GTL2 LP835
2GTL 2 37L LP840 NX	2GTL2 LP840
2GTL 4 40L LP835 NX	2GTL4 LP835
2GTL 4 40L LP840 NX	2GTL4 LP840

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example: 2GTL 4 48L LP835 NX**

2GTL							
Series	Length	Trim type	Lumens <sup>1</sup>	Door	Lens	Voltage	Color temperature
2GTL 2' wide recessed LED luminaire	2 2'	(blank) Grid F Overlapping flange	20L 2000 lumens 33L 3300 lumens 37L 3700 lumens	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	(blank) #12 pattern acrylic A19 #19 pattern acrylic SWL Satin white	(blank) MVOLT (120-277V) 120 120V 277 277V 347 347V <sup>2</sup>	LP830 82 CRI, 3000 Kelvin LP835 82 CRI, 3500 Kelvin LP840 82 CRI, 4000 Kelvin LP850 82 CRI, 5000 Kelvin
2GTL 2' wide recessed LED luminaire	4 4'	(blank) Grid F Overlapping flange	30L 3000 lumens 40L 4000 lumens 48L 4800 lumens 60L 6000 lumens 72L 7200 lumens				

Controls <sup>3</sup>	Options
NX 0-10V, dimming, no nLight	EL14L 1400 lumen emergency battery <sup>6</sup>
BLD Bi-level dimming <sup>4</sup>	CP Chicago plenum
N80 nLight with 80% (L80) lumen management	PWS1836 6' pre-wire, 3/8" diameter, 18-gauge, 1-circuit
N80EMG nLight with 80% (L80) lumen management for use with generator supply emergency power <sup>5</sup>	PWS1846 6' pre-wire, 3/8" diameter, 18-gauge, 2-circuit
	ABC Door frame gasketing <sup>7</sup>
	GLR Slow-blowing fuse <sup>8</sup>
N100 nLight without lumen management	GMF Fast-blowing fuse <sup>8</sup>
N100EMG nLight without lumen management for use with generator supply emergency power <sup>5</sup>	LATC Earthquake clip
	NPLT Narrow pallet
	PAF Paint after fab

### Accessories: Order as separate catalog number.

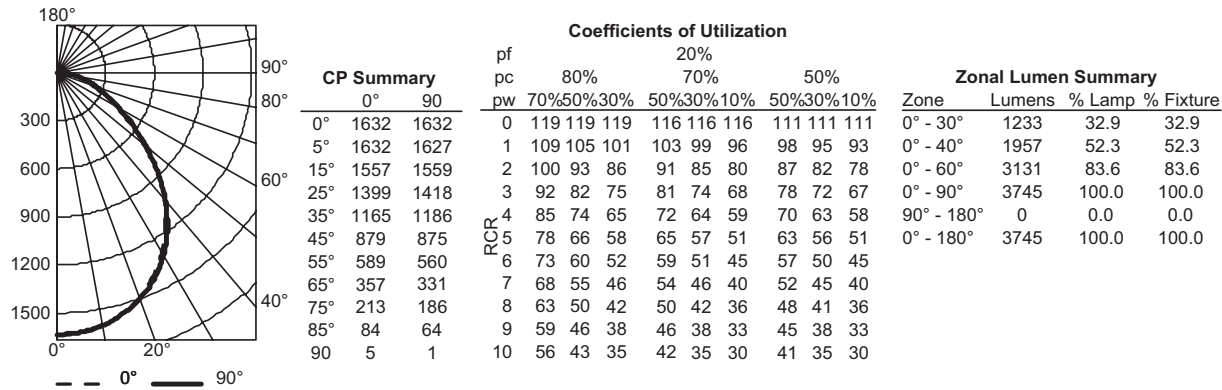
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.

### Notes

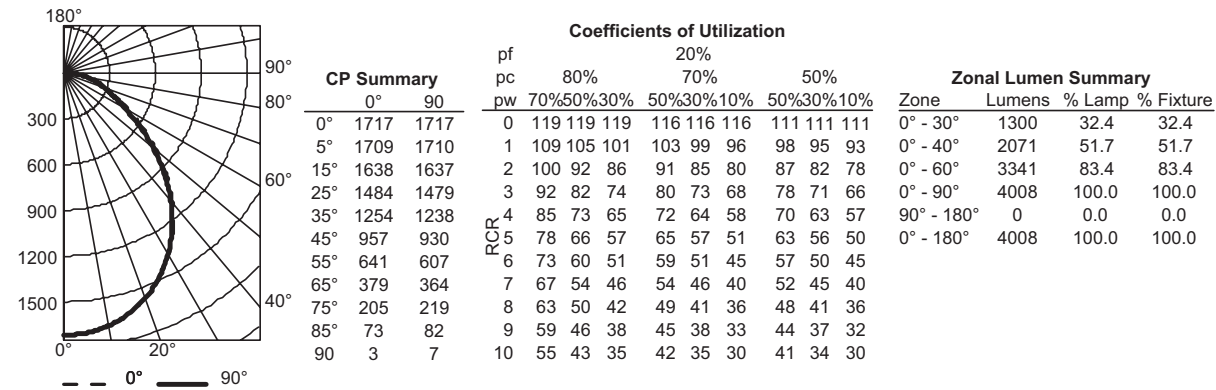
- 1 Approximate lumen output. Lumen output will vary depending upon lens option chosen. See associated IES files for reference.
- 2 Not available with EL14L, BLD, or 33L.
- 3 Only choose one.
- 4 When using pre-wire option, use PWS1846.
- 5 Only available in 37L, 40L and 48L.
- 6 Not available with the 2x4 72L. Consult factory on 2x2.
- 7 Only available with aluminum door.
- 8 Must specify voltage, 120 or 277.

## PHOTOMETRICS

2GTL 2 37L LP835, 3743.9 delivered lumens, test no. LTL 22786PO, tested in accordance to IESNA LM-79.

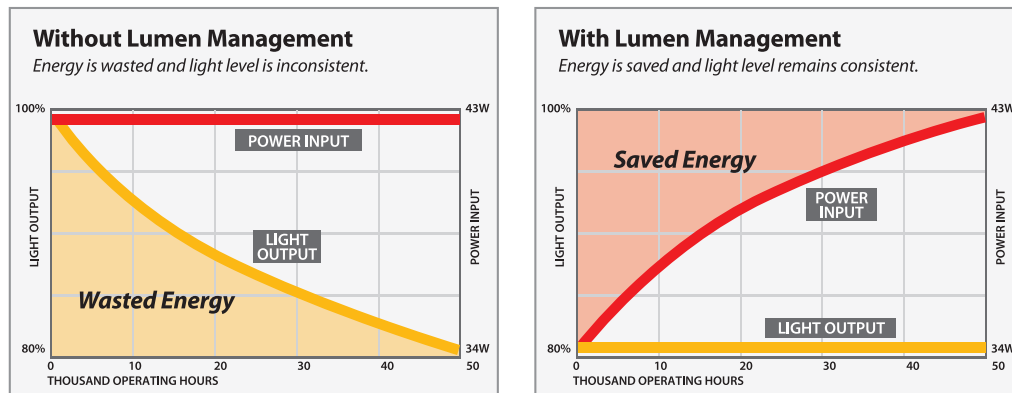


2GTL 4 40L LP835, 4006.7 delivered lumens, test no. LTL22798PO, tested in accordance to IESNA LM-79.



## Constant Lumen Management

Enabled by the embedded nLight control, the GTL actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.



Performance Data					
Size	Lumen Package	Input Wattage <sup>1</sup>	Size	Lumen Package	Input Wattage <sup>1</sup>
2x2	2GTL 2 20L	20W	2x4	2GTL 4 30L	40W
	2GTL 2 33L	37W		2GTL 4 40L	43W
	2GTL 2 37L	43W		2GTL 4 48L	51W
				2GTL 4 60L	59W
				2GTL 4 72L	77W

### Note

1 Actual wattage may differ by +/- 5% when operating between 120-277V +/- 10%.